FC5 STREACOM USER GUIDE

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Foreword

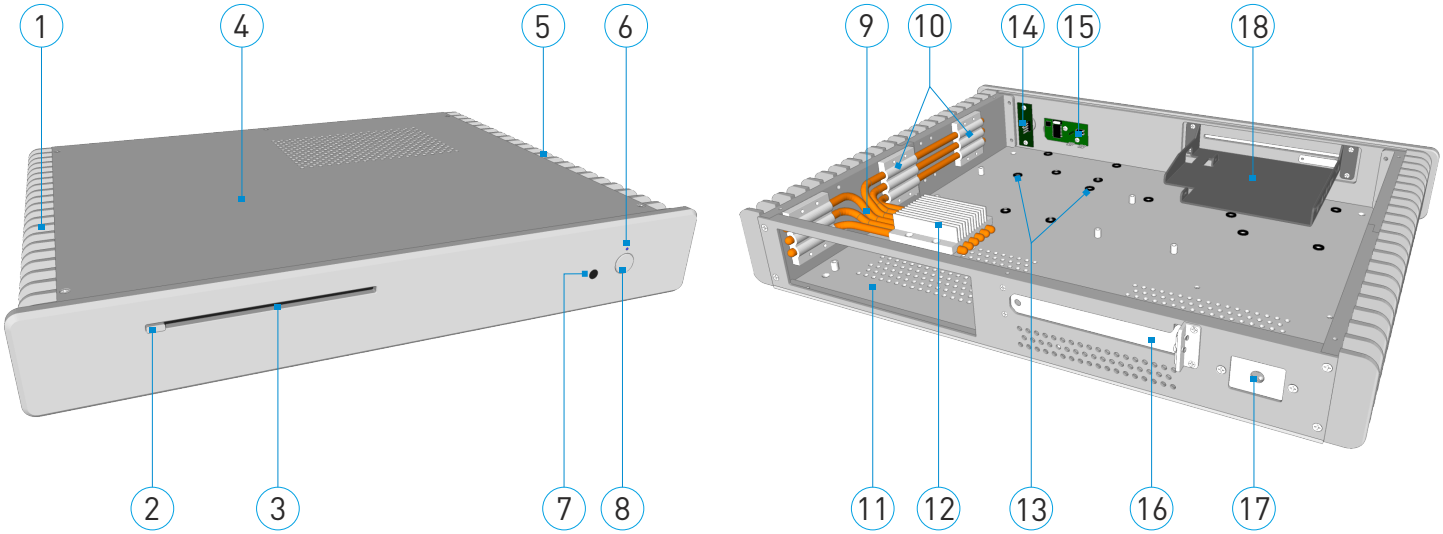
Thank you for your purchase of this Streacom product, every care has been taken to ensure that it meets with the high standards that we have set for ourselves.

Should you have any questions that are not covered in this user guide, support can be offered via email through our website at www.streacom.com

We sincerely hope that you enjoy using our product!

Specification

Chassis Material	Aluminum
Available Colours	Silver / Black - Sandblast Finish
Motherboard Compatibility	Micro ATX, Mini ITX
HDD Drive Support	1x 3.5" + 2 x 2.5" + 1 Shared 3.5" or 2.5" Bay (Mini ITX Only)
ODD Drive Support	Slot loading drive, left side eject button
Cooling Method	Passive - Heat Pipe (65W Max TDH Recommended)
Expansion Ports	1 x Full Height (Riser Card Required)
Dimensions	435 × 325 × 60mm (W×D×H)
Power Supply Support	Optional PicoPSU DC power
IR Solution	Optional MCE Compatible IR Receiver & Remote
Net Weight	5.2KG

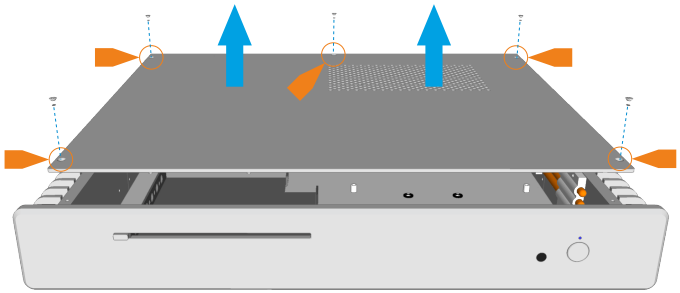


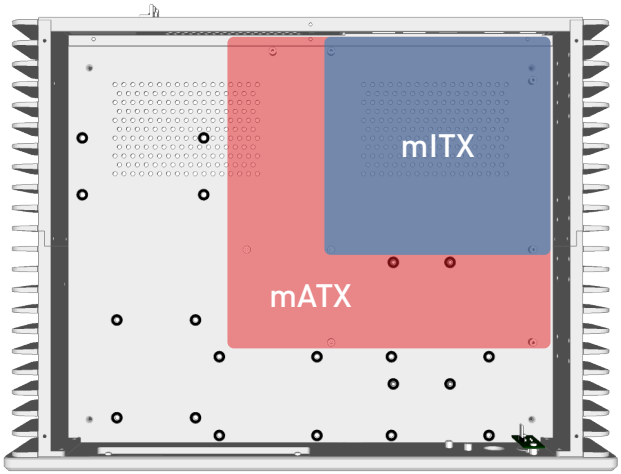
Key Features

1..... Heatsink
2..... ODD Eject Button
3..... ODD Loading Slot
4..... Top Panel
5..... Heatsink
6..... Power LED
7..... IR Receiver Window
8..... Power Button
9..... CPU Cooler Heatpipe
10.... Heatsink Connectors
11.... IO Shield Slot
12.... CPU Cooler
13.... HDD Mounting Pads
14.... Power Button PCB
15.... IR PCB (Optional)
16.... PCI Expansion Slot
17.... ODD Cage
18.... DC Power Jack Hole

Removing the Top Panel

The top panel is held in place with 5 screws, as shown in the diagram. Remove the screws and lift the top panel away from the chassis



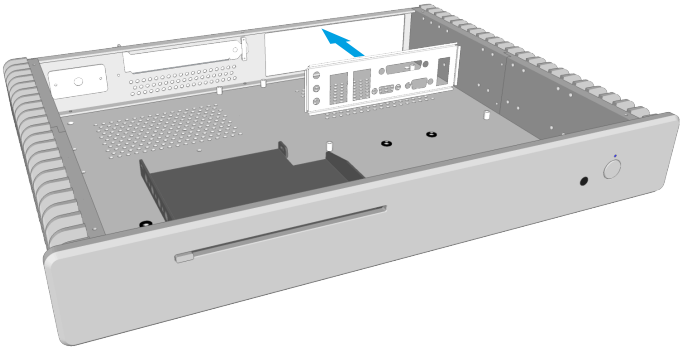


Installing the Motherboard

The FC5 can accommodate either a mini-ITX or micro-ATX motherboard. The choice of motherboard will determine the number of hard drives that can be installed. With a micro-ATX motherboard installed, only 1 x 3.5" can be fitted.

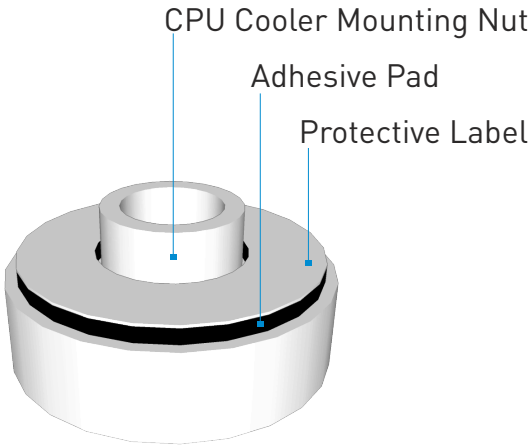
Installing the I/O Shield

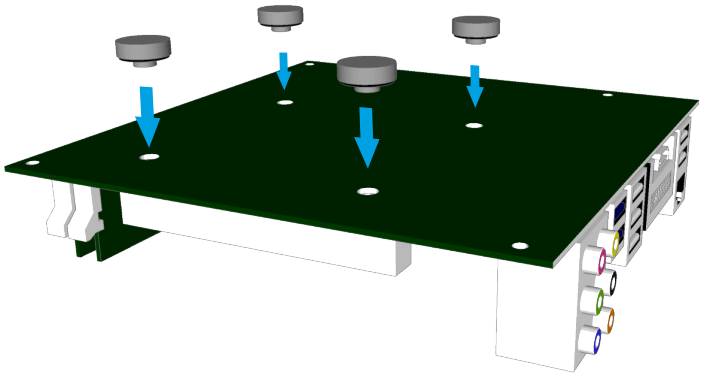
Locate the I/O shield that is supplied with your motherboard and firmly push it in place. Ensure that it clicks in place fully otherwise the motherboard will be difficult to fit.



Fit the CPU Cooler Mounting Nuts

The chassis is supplied with 4 mounting nuts which should be fixed to the motherboard prior to fitting it. The nuts should be fixed to the underside of the motherboard and are held in place by adhesive pads.



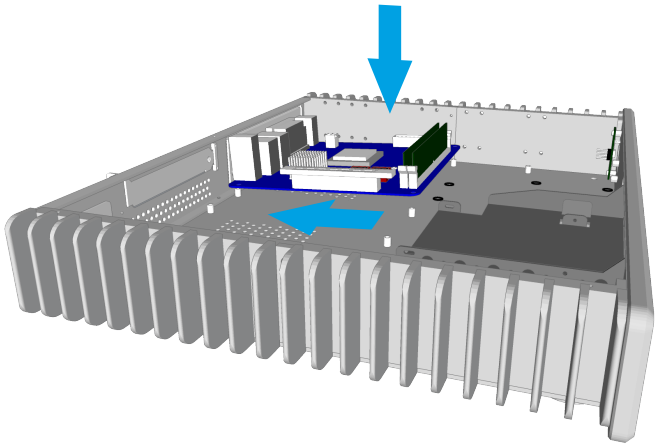


With the motherboard upside down, located the 4 CPU cooler mounting holes. Peel the protective label off the mounting nuts and stick them to the underside of the motherboard ensuring they correctly align with the holes.

Installing the Motherboard

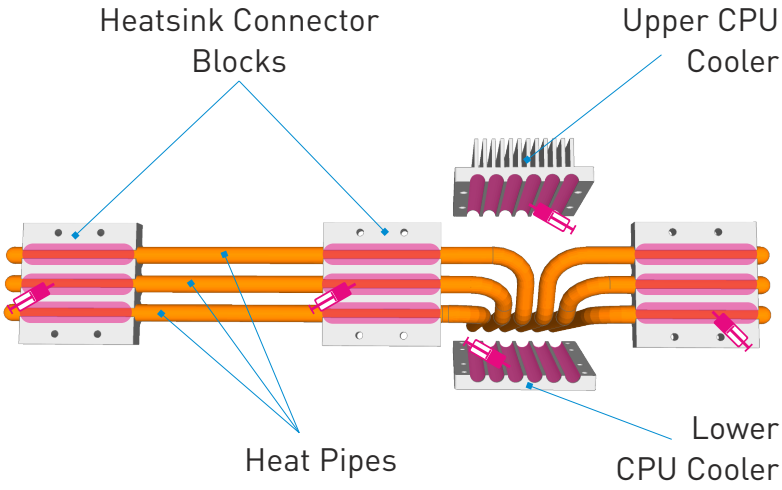
Carefully lower the motherboard into the chassis, with the I/O port side leading so that the ports can fit into the I/O shield.

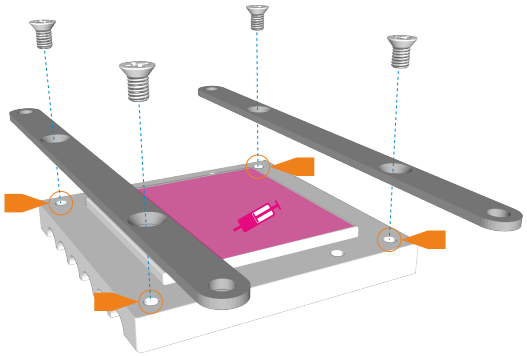
When the motherboard is correctly in position, fix it to the chassis stand-offs using the screws provided. Ensure that all the holes correctly align before fully tightening the screws.



CPU Cooler Overview

The passive CPU cooler comprises of 3 main parts. The CPU cooler which fixes to the CPU, the heat pipes that transfer the heat, and the heatsink connector blocks that fix the heatpipes to the chassis side panel (heatsink). In order to ensure efficient heat transfer, thermal paste should be applied to the surfaces shown. Do not apply the thermal paste until the parts are ready to be installed.



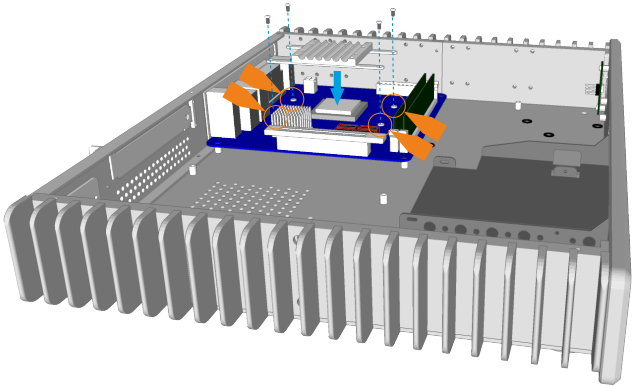


Attach the CPU Cooler Retention Arms

The kit will include 2 retention arms which should be fixed to the underside of the lower CPU cooler. These arms will allow the cooler to be fixed to the CPU and motherboard. Thermal paste should be applied to the surface that will be in contact with the CPU. 2 different types of arms are supplied which are designed for different socket types.

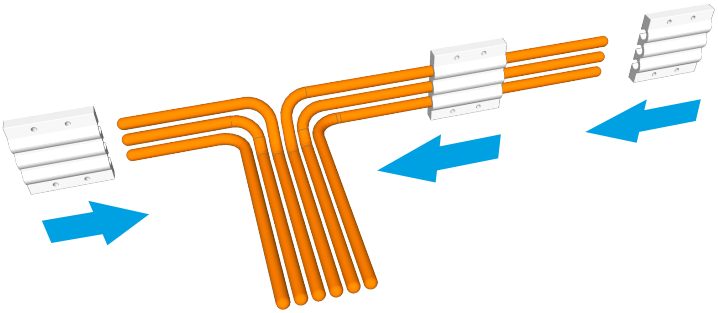
Fit the Lower CPU Cooler

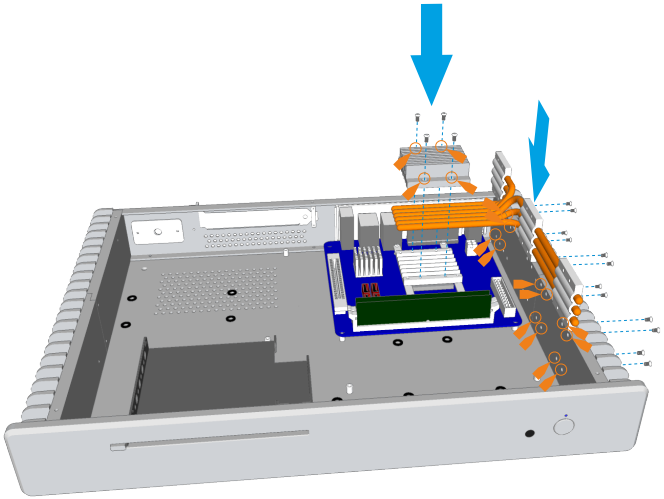
Place the lower CPU cooler onto the CPU ensuring the holes of the mounting arms align with the 4 mounting nuts that were previously fixed to the motherboard. Install all 4 screws and gradually tighten each one so that equal pressure is applied to each corner until all 4 are fully secured.



Assemble the Heatpipes and Heatsink Connector Blocks

The CPU cooler kit comes packed and must be assembled. Arrange the 6 heat pipes as shown and slide on the connector blocks. The exact position of the connector blocks will be determined by the motherboard CPU position and which set of mounting holes are used on the chassis heatsink.

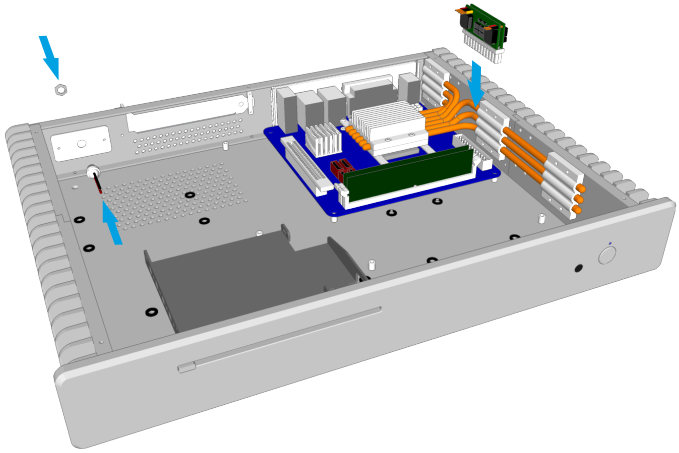




Remembering to first apply thermal paste, lower and fix the heatpipe assembly to the chassis heatsink using 4 screws per connector block. Ensure that the six heatpipes align correctly with the lower CPU cooler but do not fully tighten the screws. Next fit the upper CPU cooler in place with 4 screws from above. With everything in place, you can now tighten all the screws.

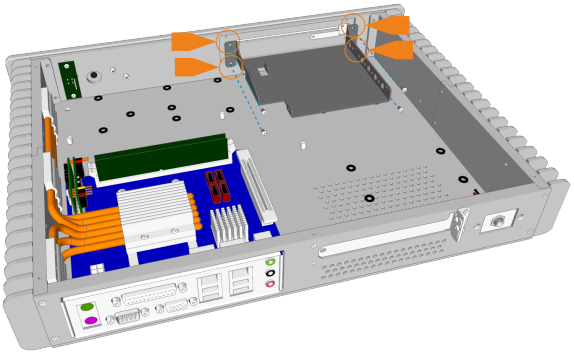
Connect PicoPSU & Other Cables

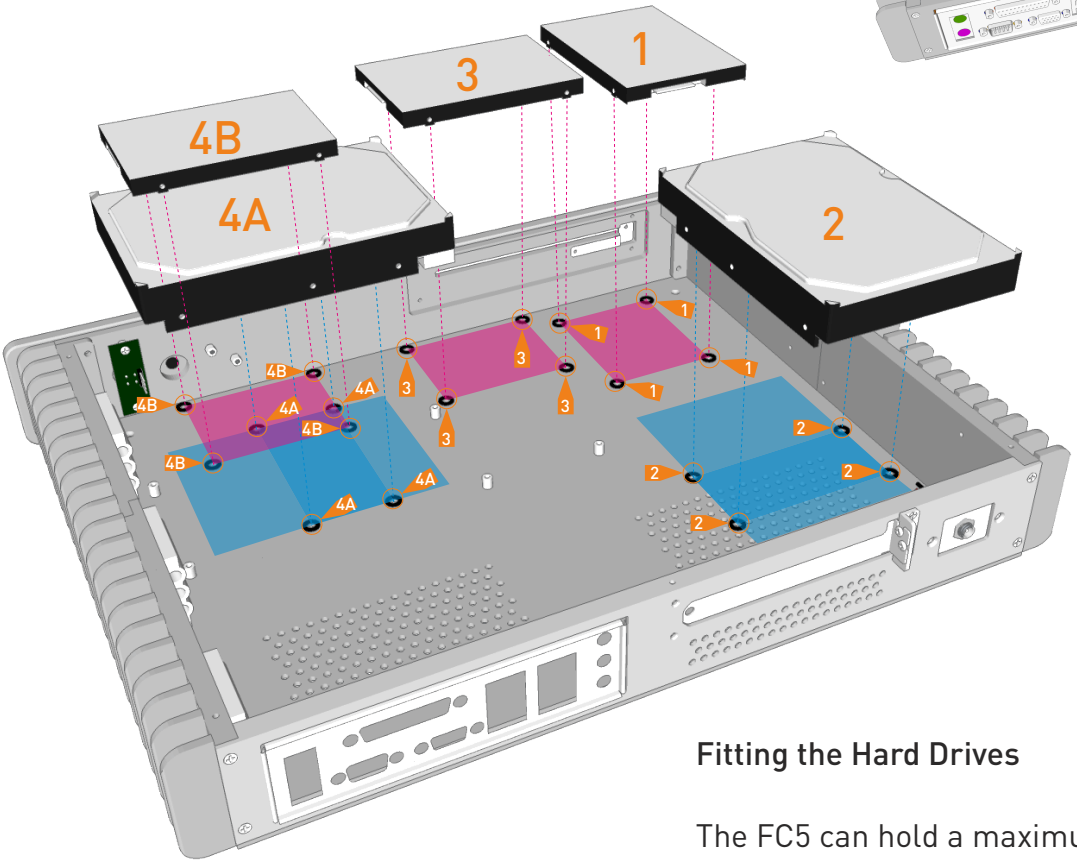
With the motherboard in place, you can now connect the PSU and any other internal connectors such as the power button switch. You should also connect the SATA cables in perpetration for installing the HDD/ODD cage assembly.



Installing the HD and OD Drives

Firstly remove the ODD cage which is secured by 4 screws as shown.



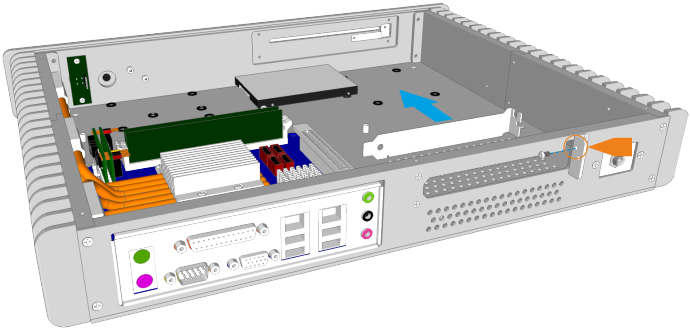


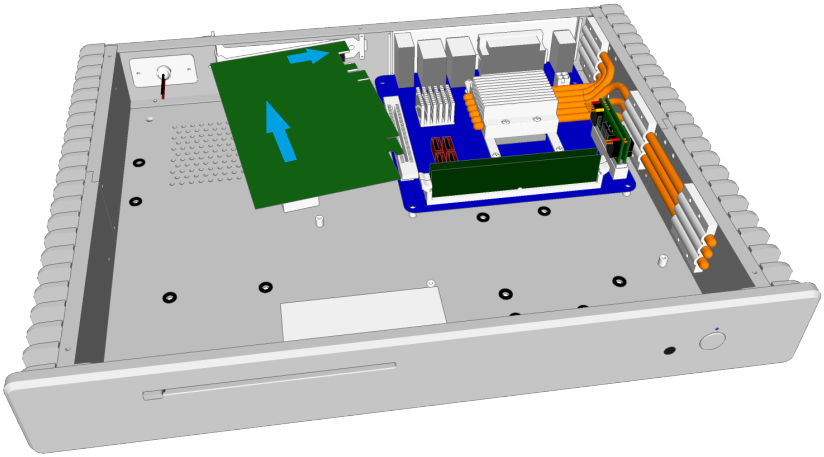
Fitting the Hard Drives

The FC5 can hold a maximum of 4 hard drives depending on the type of motherboard installed. The drives are all secured from below using 4 screws per drive and are mounted on rubber pads to reduce vibration. Position the drive over the rubber mounts, align them with the hole and screw them in place from under the chassis. Ensure the correct drive orientation to allow for the cable connections.

Installing PCI Card (Optional)

To install an expansion card, first remove the pre-installed PCI blanking plate by removing the securing screw from the back.

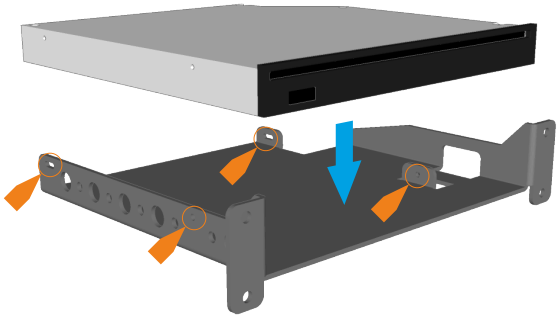




Fit the PCI card into the opening and secure it in place with the PCI bracket screw. The chassis will accept a full size PCI card but requires a flexible riser card to connect the card to the motherboard (the riser card is not supplied with the chassis)

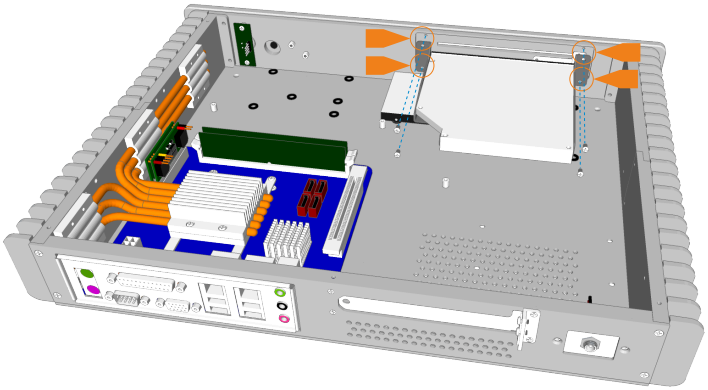
Fitting the Optical Drive

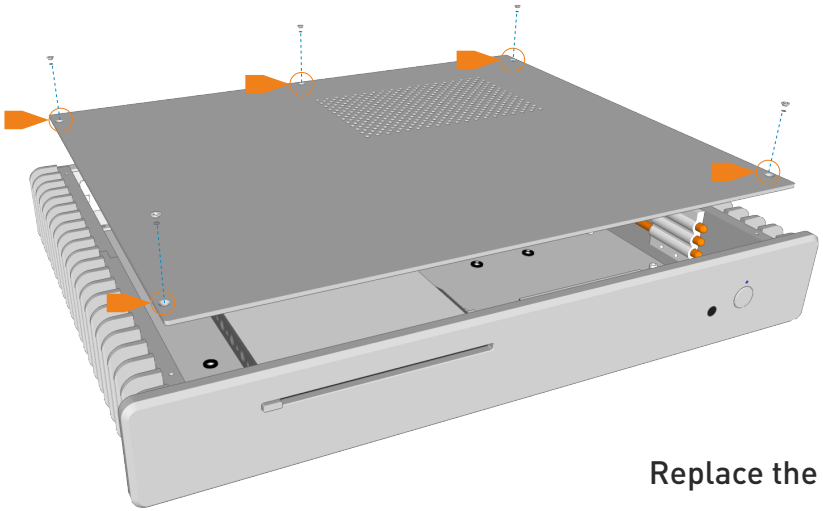
The slot loading optical drive is mounted using 4 screws, 2 either side. The mounting holes are rectangular which allows for small adjustments to the position on the drive. This is useful when adjusting the proximity to the chassis eject button. Place the drive onto the cage, alight the screw holes, then fix the drive in place. Note that the ODD screws are small and can be easily damaged, so take care when installing.



Replace the ODD Drive Cage

With the ODD fixed to the cage, replace the assembly into the chassis with the 4 screws as shown. The optical drive may require some small adjustments so that the eject button operates correctly.





Replace the Top Panel

With all the components installed, all that remains is to replace the top panel. Prior to doing this, ensure that all cables are connected and all components are securely fitted. Replace the top panel and secure it in place using 5 screws from the top as shown.

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V1.12.02